

化学品安全技术说明书

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MSDS标题

HYPOXANTHINE MSDS报告

产品标题

1,7-二氢-6H-嘌呤-6-酮;6-羟基嘌呤

CAS号

68-94-0

化学品及企业标识

PRODUCT NAME

HYPOXANTHINE

NFPA

Flammability	1
Toxicity	2
Body Contact	1
Reactivity	1
Chronic	0

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

PRODUCT USE

Purine used in biochemical research. Naturally occurring throughout biological forms as a component of DNA (deoxyribonucleic acids).

SYNONYMS

C5-H4-N4-O, "6H-purine-6-one, 1, 7-dihydro-", "6H-purine-6-one, 1, 7-dihydro-", "1, 7-dihydro-6H-purin-6-one", "1, 7-dihydro-6H-purin-6-one", 6-hydroxypurine, 6-hydroxypurine, "hypoxanthine enol", 6-oxopurine, 6-oxopurine, purin-6-ol, purin-6-ol, 9H-purine-6-ol, 9H-purine-6-ol, purin-6(3H)-one, 6(1H)-purinone, purin-6(1H)-one, Sarcine, Sarkin, Sarkine, purine

CANADIAN WHMIS SYMBOLS

None

EMERGENCY OVERVIEW

RISK

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

Although ingestion is not thought to produce harmful effects, the material may still be damaging to the health of the individual following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality (death) rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern. Considered an unlikely route of entry in commercial/industrial environments. Xanthine derivatives may produce nausea, vomiting, anorexia, stomach pain, vomiting of blood and diarrhea. Protein in the urine, increased amounts of urine output, and increased excretion of renal tubular cells and red blood cells may also occur. Effects on breathing may include increased rate and stoppage. Central nervous system effects may include restlessness, dizziness, headache, sleep disturbance, very brisk reflexes, stammering speech, muscle twitches and convulsions alternating with severe depression. Overdose can cause coma. Cardiovascular effects include palpitations, low blood pressure, fast heart rate, extra contractions, life-threatening irregularities of the ventricles and failure of circulation. Other symptoms of overexposure include rash, fever, flushing, high blood sugar, inappropriate secretion of antidiuretic hormone, and relaxation of the smooth muscle of the airways.

EYE

Although the material is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn). The dust may produce eye discomfort

causing smarting, pain and redness.

SKIN

The material is not thought to produce adverse health effects or skin irritation following contact (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

INHALED

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Not normally a hazard due to non-volatile nature of product. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.

CHRONIC HEALTH EFFECTS

Principal routes of exposure are usually by skin contact and inhalation of generated dust. As with any chemical product, contact with unprotected bare skin; inhalation of vapor, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.